

Title (en)
MODULAR PUMP ASSEMBLY

Title (de)
MODULARE PUMPENANORDNUNG

Title (fr)
ENSEMBLE POMPES MODULAIRES

Publication
EP 2681450 A4 20151125 (EN)

Application
EP 12754819 A 20120305

Priority
• US 201161449398 P 20110304
• CA 2012050132 W 20120305

Abstract (en)
[origin: WO2012119251A1] A modular pump assembly for pumping a viscous liquid, such as liquid manure. The viscous liquid is conveyed under pressure from an admission line to an evacuation line. The assembly has a base between the admission and evacuation lines. The base receives and conveys the liquid manure. The base can also be partitioned into separate sections 14 or chambers, thereby increasing pumping capacity and efficiency. At least one pump is vertically mounted to the base, and operates in a receiving configuration for receiving the liquid manure, and a pumping configuration for pumping the liquid manure. The inlet and out of the base are adjacent or coterminous with either another pump's inlet and outlet, or with another assembly, thereby allowing a pressurized flow of liquid manure through multiples pumps and/or assemblies arranged in series.

IPC 8 full level
F04B 23/06 (2006.01); **F04B 15/02** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP US)
F04B 15/02 (2013.01 - EP US); **F04B 23/06** (2013.01 - EP US); **F04B 53/22** (2013.01 - EP US)

Citation (search report)
• [X] FR 2829190 A1 20030307 - JOLLY JEANNE [FR]
• [X] WO 2011013285 A1 20110203 - HITACHI HIGH TECH CORP [JP], et al
• [A] US 2009092510 A1 20090409 - WILLIAMS ELLIS [US], et al
• [A] GB 615709 A 19490111 - TECALEMIT LTD, et al
• See references of WO 2012119251A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
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